WHAT IS CLAIMED IS:

- 1. A method for preventing formation of sludge in a subsurface cavity having particulate laden fluid disposed therein, comprising:
- positioning a downhole device having a fluid agitator into the fluid of the subsurface cavity; and agitating the fluid using the fluid agitator.
- The method of Claim 1, and further comprising
 removing the fluid from the subsurface cavity using the downhole device.
 - 3. The method of Claim 1, and further comprising removing the fluid from the subsurface cavity through the downhole device while the fluid is agitated by the fluid agitator.
 - 4. The method of Claim 1, wherein the fluid agitator comprises a plurality of arms that are outwardly extendable.
 - 5. The method of Claim 4, wherein agitating the fluid comprises rotating the arms at a rate of no more than ten revolutions per day.

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6. The method of Claim 4, wherein agitating the fluid comprises rotating the arms at a rate of no more than five revolutions per day.

- 7. The method of Claim 4, wherein agitating the fluid comprises rotating the arms at a rate of no more than one revolution per day.
- 5 8. The method of Claim 1, wherein the fluid agitator comprises a plurality of blunt arms that are outwardly extendable.

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9. A method for preventing formation of sludge in a subsurface cavity, comprising:

positioning an inlet of a pump via a well bore into a cavity formed underground, the cavity including fluid and a plurality of particles in the fluid;

agitating the fluid; and removing the fluid.

- 10. The method of Claim 9, wherein the inlet of the pump is coupled to a plurality of arms that are operable to extend radially within the cavity, and wherein agitating the fluid comprises extending the arms and rotating the arms about a longitudinal axis of the pump.
- 11. The method of Claim 10, wherein agitating the fluid comprises rotating the arms at a rate of no more than ten revolutions per day.
- 12. The method of Claim 10, wherein agitating the 20 fluid comprises rotating the arms at a rate of no more than five revolutions per day.
- 13. The method of Claim 10, wherein agitating the fluid comprises rotating the arms at a rate of no more 25 than one revolution per day.

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- 14. The method of Claim 9, wherein the inlet of the pump is coupled to a plurality of blunt arms that are operable to extend radially within the cavity, and wherein agitating the fluid comprises extending the blunt arms and rotating the blunt arms about a longitudinal axis of the pump.
- 15. The method of Claim 9, wherein the act of removing the fluid is performed while agitating the 10 fluid.
 - 16. The method of Claim 9, wherein the pump is a suction-rod pump.
- 15 17. The method of Claim 9, wherein the pump is a downhole pump.

18. A method for removing particulate laden fluid from a subterranean zone, comprising:

lowering an inlet of a pump through a well bore into a cavity formed in a subterranean zone, the cavity extending radially from the well bore;

radially extending within the cavity a plurality of arms coupled to the pump inlet;

positioning the inlet in the cavity by resting the 10 arms on a floor of the cavity;

collecting particulate laden fluid in the cavity; rotating the arms about a longitudinal axis of the pump; and

removing the particulate laden fluid with the pump.

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- 19. The method of Claim 18, wherein the arms are rotated at a rate of no more than ten revolutions per day.
- 20 20. The method of Claim 18, wherein each of the arms are blunt.